

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/780,113

Source: OIPE

Date Processed by STIC: 3-8-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable-form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/780,113

DATE: 03/08/2001
TIME: 11:49:51

Input Set : A:\#1041801 v1 - 50681-20001.txt
Output Set: N:\CRF3\03082001\1780113.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: TYRELL, JOHN V.
4 BERGQUIST, PATRICIA R.
5 BERGQUIST, PETER L.
6 SCHOLIN, CHRISTOPHER A.
8 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING RAPHIDOPHYTES
10 <130> FILE REFERENCE: 50681200121
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/780,113
C--> 13 <141> CURRENT FILING DATE: 2001-02-09
15 <150> PRIOR APPLICATION NUMBER: 09/596,136
17 <151> PRIOR FILING DATE: 2000-06-16
20 <160> NUMBER OF SEQ ID NOS: 30
22 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

90 <210> SEQ ID NO: 5 → Number of bases differ:
91 <211> LENGTH: 18 → - 18 listed
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial
98 <220> FEATURE:
99 <223> OTHER INFORMATION: (oligonucleotide probe) move to here
101 <400> SEQUENCE: 5
E--> 102 gcatgttgaa acgttcagg
315 <210> SEQ ID NO: 20 → 19
316 <211> LENGTH: 21 → - 21 listed
317 <212> TYPE: DNA → - 25 shown
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial
323 <220> FEATURE:
324 <223> OTHER INFORMATION: (oligonucleotide probe) move to here
E--> 326 <400> SEQUENCE: (29) 21? → move to here.
E--> 327 tcatatctt ctcacggtae ttgtt (25) 20
486 <210> SEQ ID NO: 30
487 <211> LENGTH: 20
488 <212> TYPE: DNA
489 <213> ORGANISM: Artificial Sequence
491 <220> FEATURE:
492 <223> OTHER INFORMATION: Description of Artificial Sequence:Artificial
494 PCR Primer
496 <400> SEQUENCE: 30
C--> 497 ctttggtcg ttttcaaga
E--> 507 1

→ Delete extraneous numeral from the
end of the file. It is causing an invalid
base count for sequence # 30.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/780,113

DATE: 03/08/2001
TIME: 11:49:53

Input Set : A:\#1041801.vl - 50681-20001.txt
Output Set: N:\CRF3\03082001\1780113.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:112 C: (48) String data converted to lower case,
L:57 M:112 C: (48) String data converted to lower case,
L:72 M:112 C: (48) String data converted to lower case,
L:87 M:112 C: (48) String data converted to lower case,
L:102 M:112 C: (48) String data converted to lower case,
L:102 M:252 E: No. of Seq. differs, <211>LENGTH:Input:18 Found:19 SEQ:5
L:117 M:112 C: (48) String data converted to lower case,
L:132 M:112 C: (48) String data converted to lower case,
L:147 M:112 C: (48) String data converted to lower case,
L:162 M:112 C: (48) String data converted to lower case,
L:177 M:112 C: (48) String data converted to lower case,
L:192 M:112 C: (48) String data converted to lower case,
L:207 M:112 C: (48) String data converted to lower case,
L:222 M:112 C: (48) String data converted to lower case,
L:237 M:112 C: (48) String data converted to lower case,
L:252 M:112 C: (48) String data converted to lower case,
L:267 M:112 C: (48) String data converted to lower case,
L:282 M:112 C: (48) String data converted to lower case,
L:297 M:112 C: (48) String data converted to lower case,
L:312 M:112 C: (48) String data converted to lower case,
L:326 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:20 differs:25
L:327 M:112 C: (48) String data converted to lower case,
L:327 M:252 E: No. of Seq. differs, <211>LENGTH:Input:21 Found:25 SEQ:20
L:342 M:112 C: (48) String data converted to lower case,
L:357 M:112 C: (48) String data converted to lower case,
L:369 M:112 C: (48) String data converted to lower case,
L:378 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=24
L:398 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=25
L:418 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=26
L:438 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=27
L:458 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=28
L:483 M:112 C: (48) String data converted to lower case,
L:497 M:112 C: (48) String data converted to lower case,
L:507 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:20 SEQ:30